

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark M. Meininger (Reg. No. 32,428) on March 5, 2009.

The application has been amended as follows:

In the abstract:

In the abstract, line 6, change "said" to --the--.

In the abstract, line 10, change "said" to --the--.

In the claims:

In claim 24, line 5, change "signatures" to --signature--.

In claim 24, line 5, change "biometrics" to --biometric--.

In claim 24, line 6, change "fingerprints" to --fingerprint--.

In claim 32, line 5, change "signatures" to --signature--.

In claim 32, line 5, change "biometrics" to --biometric--.

In claim 32, line 6, change "fingerprints" to --fingerprint--.

In claim 35, line 33, change "operations" to --operation--.

In claim 38, line 2, change “output” (first occurrence) to --wireless--.

In claim 41, line 2, change “signatures” to --signature--.

In claim 41, line 3, change “keys” to --key--.

In claim 41, line 3, change “biometrics” to --biometric--.

In claim 41, line 3, change “fingerprints” to --fingerprint--.

In claim 46, line 5, change “signatures” to --signature--.

In claim 46, line 5, change “biometrics” to --biometric--.

In claim 46, line 5, change “fingerprints” to --fingerprint--.

In claim 51, line 5, change “signatures” to --signature--.

In claim 51, line 5, change “biometrics” to --biometric--.

In claim 51, line 5, change “fingerprints” to --fingerprint--.

In claim 59, line 2, change “signatures” to --signature--.

In claim 59, line 3, change “keys” to --key--.

In claim 59, line 3, change “biometrics” to --biometric--.

In claim 59, line 3, change “fingerprints” to --fingerprint--.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Yoshida (U.S. Patent No. 7,366,468) discloses a printer apparatus including a reception device adapted to wirelessly receive an inquiry signal which is transmitted by a wireless communication apparatus in order to search surrounding devices, and a transmission device adapted to transmit a response signal to the inquiry signal received by the reception device. The response signal includes information indicating that the printer is a specified printer which is pre-registered in the wireless communication apparatus and information indicating that the printer is operating in a printing process (see column 2, lines 35-45).

However, the closest prior art of record, Yoshida (U.S. Patent No. 7,366,468) does not disclose, teach or suggest, receiving at the information apparatus and over the wireless communication channel at least one attribute corresponding to each wireless output device found in the search; selecting at the information apparatus a wireless output device found in the search based at least in part on a received attribute; generating at the information apparatus an intermediate output data that includes said one or more output images, the intermediate output data conforming at least partly based on said received attribute of the selected output device; converting at the output controller, the intermediate output data into an output data acceptable for rendering at the output device, and conforming at the output device the output data into a data format that is acceptable for rendering by a rendering engine in the output device, and delivering the data format to the rendering engine for output, whereby, the information apparatus is able to output, in a mobile pervasive manner, one or more images representative of said content to an output device

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without the need to install an output device driver specific to that output device, as claimed in independent claim 23.

The closest prior art of record, Yoshida (U.S. Patent No. 7,366,468) does not disclose, teach or suggest, receiving over the wireless communication channel at least one device attribute associated with at least one available wireless output device, the device attribute including at least an indication of a supported output device profile; selecting a wireless output device found in the search based at least in part on the received device attribute; conforming at the information apparatus at least part of the content into one or more device independent output images with at least one predefined or standard parameter; generating at the information apparatus an intermediate output data that includes said one or more output images, the intermediate output data conforming at least partly to said supported output device profile of a selected output that is included in said device attribute of the selected wireless output device and received over the wireless communication channel; decoding at the output device the intermediate output data; converting at said output device the intermediate output data into an output data format acceptable for rendering by an output engine included in said output device, and whereby the wireless information apparatus is able to pervasively output one or more images representative of said content to an output device without need to install an output device driver specific to that output device, as recited in independent claim 31.

The closest prior art of record, Yoshida (U.S. Patent No. 7,366,468) does not disclose, teach or suggest, receiving over the wireless communication channel an attribute corresponding to each discovered wireless device, the attribute including one or more of a name, a device type, a device address, and an indication of a supported output device profile; selecting a wireless output device from among the one or more discovered wireless devices based at least in part on the received attribute; obtaining a security key at the information apparatus, the security key enabling wireless data transfer to the selected output device; sending a security code related at least partly to the security key over the wireless communication channel and requesting the selected wireless output device to open a wireless connection channel for data transfer; receiving over the wireless communication channel a response related to an authentication; and if the received response is positive, establishing a wireless connection channel between the information apparatus and the selected wireless output device, conforming, at the information apparatus, at least part of the content into an output data encoded with at least one format, the conforming relating at least in part to the attribute received over the wireless communication channel, and transferring the output data from the information apparatus to the selected output device over said wireless connection channel for rendering, receiving at the selected output device the output data, performing at the selected output device at least one decoding operation on said output data, and converting the output data into an output engine data acceptable for rendering by an output engine included in the selected output device, as claimed in independent claim 35.

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The closest prior art of record, Yoshida (U.S. Patent No. 7,366,468) does not disclose, teach or suggest, receiving at the information apparatus and over the wireless communication channel at least one attribute corresponding to each wireless output device found in the search; selecting at the information apparatus a selected wireless output device found in the search based at least in part on a received attribute, the selected wireless output device having an associated output controller; conforming at the information apparatus at least part of the content into one or more output images; generating at the information apparatus an intermediate output data that includes said one or more output images; the intermediate output data being at least partly compatible with said received attribute of the selected wireless output device; and wirelessly transmitting the intermediate output data from the information apparatus to the selected wireless output device where the intermediate output data are decoded for rendering at the output device, in combination with accessing, opening, searching wirelessly and establishing a wireless connection, as recited in independent claim 45.

The closest prior art of record, Yoshida (U.S. Patent No. 7,366,468) does not disclose, teach or suggest, receiving over the wireless communication channel at least one device attribute associated with at least one available wireless output device, the device attribute including at least an indication of a supported output device profile; selecting a wireless output device found in the search based at least in part on the received device attribute; conforming at the information apparatus at least part of the content into one or more device independent output images with at least one predefined or standard parameter;

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generating at the information apparatus an intermediate output data that includes said one or more output images, the intermediate output data conforming at least partly to said supported output device profile of a selected output that is included in said device attribute of the selected wireless output device and received over the wireless communication channel; and delivering the intermediate output data over the wireless connection for rendering at the selected wireless output device for rendering, in combination with opening, searching wirelessly and establishing a point to point wireless connection, as claimed in independent claim 50.

The closest prior art of record, Yoshida (U.S. Patent No. 7,366,468) does not disclose, teach or suggest, receiving over the wireless communication channel an attribute corresponding to each discovered wireless device, the attribute including one or more of a name, a device type, a device address, and an indication of a supported output device profile; selecting a wireless output device from among the one or more discovered wireless devices based at least in part on the received attribute; obtaining a security key at the information apparatus, the security key enabling wireless data transfer to the selected output device; sending at least part of the security key over the wireless communication channel and requesting the selected wireless output device to open a wireless connection channel for data transfer; receiving over the wireless communication channel a response related to an authentication; and if the received response is positive, establishing a wireless connection channel between the information apparatus and the selected wireless output device, and conforming, at the information apparatus, at least part of the content into an output data encoded

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with at least one format, the conforming relating at least in part to the attribute received over the wireless communication channel, and transferring the output data from the information apparatus to the selected output device over said wireless connection channel for rendering, in combination with opening and discovering wirelessly one or more wireless devices that are available for wireless connection, as recited in independent claim 55.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dov Popovici whose telephone number is 571-272-4083. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Coles can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dov Popovici/
Primary Examiner, Art Unit 2625